

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S11 1	8	(("6023697") or ("6304864") or ("6311194") or ("6154213")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 19:02
S11 2	6075	707/3.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S11 3	1768	707/5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S11 4	64	707/5.ccls. and (semantic adj (information or data))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S11 5	445	707/5.ccls. and semantic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S11 6	914	707/5.ccls. and (semantic or knowledge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S11 7	839	706/45.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S11 8	289	706/50.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S11 9	71	700/49.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S12 0	2156	semantic near5 (linking or links or information or data or meaning) same (maintain or receive or retrieve or add or remove or delete or present or deliver or query or request)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S12 1	5178	(plurality near5 server) and (client same (user near10 interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S12 2	67	S120 and S121	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S12 3	7689	(semantic near5 (information or data or link or attribute or relationship)) or (semantically near5 (linking or relating or attributing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S12 4	75	S123 and (predetermined near5 (theme or style or look or presentation or orientation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S12 5	736	S123 and (knowledge adj base)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S12 6	31	(US-20010003817-\$ or US-20010037328-\$ or US-20010053968-\$ or US-20020095411-\$ or US-20020123986-\$ or US-20020161757-\$ or US-20020169771-\$ or US-20030004909-\$ or US-20040030421-\$ or US-20040161734-\$).did. or (US-5555408-\$ or US-5940821-\$ or US-5953718-\$ or US-6041323-\$ or US-6178416-\$ or US-6182067-\$ or US-6256627-\$ or US-6304864-\$ or US-6311194-\$ or US-6453315-\$ or US-6457002-\$ or US-6460034-\$ or US-6470333-\$ or US-6519578-\$ or US-6564205-\$ or US-6615208-\$ or US-6636848-\$ or US-6658412-\$ or US-6665659-\$ or US-6741986-\$ or US-6778951-\$ or US-6829613-\$ or US-6834287-\$ or US-6842730-\$). did.	US-PGPUB; USPAT	OR	ON	2006/01/08 19:02
S12 7	731	S125 not S126	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S12 8	3	"information nervous system".ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S12 9	56087	(information or knowledge) same ((retrieval or retrieve or acquire or collect) and (manage\$4 or maintain\$4) and (deliver\$3 or send\$4 or transfer\$4) and (present\$6 or show\$3 or layout))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S13 0	56560	(information or knowledge or metadata) same ((retrieval or retrieve or acquire or collect) and (manage\$4 or maintain\$4) and (deliver\$3 or send\$4 or transfer\$4) and (present\$6 or show\$3 or layout))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S13 1	162	S130 and ((first or second or plurality) adj (server or servers)) and (semantic or semantically) near10 (link or linking or linked or information or relationship)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S13 2	7037	(meta\$data near5 (repository or database or datastore or system or server))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S13 3	722103	(meta\$data or knowledge or information or semantic) near5 (repository or database or datastore or system or server or base)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S13 4	192571	S133 and ((multiple or plurality or few or (first and second) or many) adj5 (server or system or computer or apparatus or machine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S13 5	3446	S133 and ((semantic or semantically) near5 (link or linking or relating or relationship or attribute or meaning or related or linked))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S13 6	2032	S134 and ((semantic or semantically) near5 (link or linking or relating or relationship or attribute or meaning or related or linked))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S13 7	1532	S136 and (((user adj interface) or GUI or interface) with (client or user))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S13 8	789	S137 and ((user near5 (query or queries or preferences or options or customization)) or (custom or customize or customization)) and (present or presenting or presentation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S13 9	6	((("20030065663") or ("20040267729") or ("5228116")). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 19:02

S14 0	2	("6721726").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 19:02
S14 1	2	("6453315").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 19:02
S14 2	11831	knowledge adj (base or system or (base adj system))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S14 3	90489	(knowledge or information) adj (base or system or (base adj system))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S14 4	16364	S143 and ("first server" or "second server" or ((multiple or few or plurality or many) near5 (server or database or machine)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S14 5	1384	S144 and (semantic near5 (link or data or information)) or ("domain-specific" near5 (data or information))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S14 6	889	S145 and (customiz\$4 or preferenc\$3 or custom) and ("user interface" or interface or GUI or UI)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S14 7	14	S146 and "semantic attributes"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S14 8	1	S146 and ((intrinsic or extrinsic) near5 schema)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S14 9	1	(intrinsic or extrinsic) adj schema	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S15 0	39807	S146 or ((related or non\$related) adj (information or schema or layout or plan or outline))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S15 1	403	S146 and ((related or non\$related) adj (information or schema or layout or plan or outline))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S15 2	403	S146 and (((intrinsic or related) or (extrinsic or non\$related)) adj (information or schema or layout or plan or outline))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S15 3	459	sheth.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S15 4	21	S153 and "knowledge"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S15 5	103	bates.in. and knowledge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S15 6	2	rennison.in. and knowledge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S15 7	15	liddy.in. and knowledge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S15 8	17	S156 or S157	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S15 9	5023	semantic near10 information	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S16 0	5460	semantic near3 (information or data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S16 1	807	(knowledge and (retriev\$4 or deliver\$5 or present\$5 or manag\$5)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S16 2	71	S161 and semantic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S16 3	24	S161 and ((first or second) adj3 object)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S16 4	1321	(create or build or make) near5 ((neural or nervous) near2 network)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S16 5	25	S164 and (knowledge near5 (retriev\$5 or deliver\$5 or present\$5 or manag\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S16 6	709	(creat\$4 or instantiat\$4 or mak\$4) near5 (object or node) near5 (associat\$4 near2 (information or data))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S16 7	135	S166 and schema	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S16 8	99592	S167 and knowledge or ((neural or nervous) near2 (system or network))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S16 9	77	S167 and (knowledge or ((neural or nervous) near2 (system or network)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S17 0	31	S167 and ((knowledge near3 (base or retrieval or repository)) or ((neural or nervous) near2 (system or network)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S17 1	709	(creat\$4 or instantiat\$4 or mak\$4) near5 (object or node) near5 (associat\$4 near2 (information or data))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02



S17 2	135	S171 and schema	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S17 3	31	S172 and ((knowledge near3 (base or retrieval or repository)) or ((neural or nervous) near2 (system or network)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S17 4	63	S171 and ((knowledge near3 (base or retrieval or repository)) or ((neural or nervous) near2 (system or network)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S17 5	642	intrinsic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S17 6	160675	intrinsic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S17 7	1	intrinsic adj schema	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S17 8	8994	(intrinsic or extrinsic) and ((knowledge near3 (base or retrieval or repository)) or ((neural or nervous) near2 (system or network)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S17 9	6593	S178 and (link\$3 or relation\$5) and (attribute or characteristic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S18 0	1633	S179 and (infer\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S18 1	108	S180 and (semantic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S18 2	0	S171 and S180	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S18 3	23	S171 and S178	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S18 4	4856	(creat\$4 or instantiat\$4 or mak\$4) near5 ((knowledge or nervous or neural) near3 (web or base or network or system or repository))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S18 5	72	S184 and (semantic near3 (link or attribute))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S18 6	5722	(creat\$4 or instantiat\$4 or mak\$4 or build\$4) near5 ((knowledge or nervous or neural) near3 (web or base or network or system or repository))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S18 7	90	S186 and (semantic near3 (link or attribute))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S18 8	4	((("6210407") or ("6418448")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 19:02
S18 9	4	((("6240407") or ("6418448")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 19:02
S19 0	384	(object near5 (structure or index or schema or layout) near5 (database or knowledge or data\$store or repository)) with (create or make or build or process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S19 1	159	S190 and (schema)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S19 2	2	("6138087").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 19:02
S19 3	960	(xml near5 (web adj service))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S19 4	267	S193 and ((add or remove or delete or create) near (record or node or information or data or object))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S19 5	1816	(xml same (web adj service))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S19 6	871	S195 and ((add or remove or delete or create) near3 (record or node or information or data or object))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S19 7	330	S196 and knowledge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S19 8	871	S195 and ((add or remove or delete or create) near3 (record or node or information or data or object))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S19 9	47	S195 same ((add or remove or delete or create) near3 (record or node or information or data or object))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S20 0	1816	(xml same (web adj service))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S20 1	25	S195 and @prad<"20010622"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S20 2	2	("6560633").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 19:02
S20 3	3481	link near3 (score or strength or relevanc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S20 4	9214	(link or relationship) near3 (score or strength or relevanc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S20 5	543	S204 and (((knowledge or neural) adj (base or repository or network)) or semantic or (expert adj system))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S20 6	296	S205 and ((link or relationship) same (object or node))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S20 7	2876	(first and second) near3 query	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S20 8	0	S207 and sub\$query and (filter near2 schema)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S20 9	68	S207 and sub\$query and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S21 0	76	(US-20010003817-\$ or US-20010037328-\$ or US-20010053968-\$ or US-20020095411-\$ or US-20020123986-\$ or US-20020161757-\$ or US-20020169771-\$ or US-20020169779-\$ or US-20030004909-\$ or US-20030065663-\$ or US-20030167352-\$ or US-20040010493-\$ or US-20040030421-\$ or US-20040030741-\$ or US-20040161734-\$ or US-20010044791-\$).did. or (US-5228116-\$ or US-5555408-\$ or US-5768578-\$ or US-5787234-\$ or US-5797137-\$ or US-5809297-\$ or US-5819086-\$ or US-5819282-\$ or US-5838965-\$ or US-5873056-\$ or US-5940821-\$ or US-5953718-\$ or US-5963940-\$ or US-5974405-\$ or US-5995955-\$ or US-6006221-\$ or US-6023697-\$ or US-6026388-\$ or US-6038560-\$ or US-6041323-\$ or US-6076088-\$ or US-6122647-\$ or US-6138087-\$ or US-6154213-\$ or US-6169992-\$ or US-6178416-\$). did. or (US-6182062-\$ or US-6182067-\$ or US-6199059-\$ or US-6256627-\$ or US-6263335-\$ or US-6304864-\$ or US-6311194-\$ or US-6389405-\$ or US-6453315-\$ or US-6457002-\$ or US-6460034-\$ or US-6470333-\$ or US-6484155-\$ or US-6519578-\$ or US-6564205-\$ or US-6564209-\$ or US-6609091-\$ or US-6609123-\$ or US-6615208-\$ or US-6636848-\$ or US-6658412-\$ or US-6665659-\$ or US-6665677-\$ or US-6711585-\$ or US-6721726-\$ or US-6741986-\$ or US-6768982-\$). did. or (US-6778951-\$ or US-6823325-\$ or US-6829613-\$ or US-6834287-\$ or US-6842730-\$ or US-6714936-\$ or US-6434546-\$). did. or (US-6311194-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/01/08 19:02
S21 1	2	S210 and ((natural adj language) near (convert or encode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02

S21 2	2	("20010037328").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 19:02
S21 3	2	("6560633").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 19:02
S21 4	2	("6374253").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 19:02
S21 5	265	(redundant or duplicate) near5 (record or object or node) near5 (delete or remove)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S21 6	8	S215 and (limit near10 (duplicate or redundant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S21 7	265	(redundant or duplicate) near5 (record or object or node) near5 (delete or remove)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
S21 8	4672	707/104.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/08 19:02
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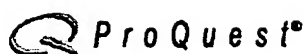
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
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### 1 [Web-based educational applications: Online curriculum on the semantic Web: the CSD-UoC portal for peer-to-peer e-learning](#)

 Dimitris Kotzinos, Sofia Pediaditaki, Apostolos Apostolidis, Nikolaos Athanasios, Vassilis Christophides  
May 2005 **Proceedings of the 14th international conference on World Wide Web**

Publisher: ACM Press

Full text available: pdf(1.46 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Online Curriculum Portals aim to support networks of instructors and learners by providing a space of convergence for enhancing peer-to-peer learning interactions among individuals of an educational institution. To this end, effective, open and scalable e-learning systems are required to acquire, store, and share knowledge under the form of learning objects (LO). In this paper, we are interested in exploiting the semantic relationships that characterize these LOs (e.g., prerequisite, part-of or ...

**Keywords:** IEEE-LOM, e-learning portals, jetspeed portlets, semantic Web

### 2 [Client-server computing in mobile environments](#)

 Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid  
June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2

Publisher: ACM Press

Full text available: pdf(233.31 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various way ...

**Keywords:** application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile computing, mobile data, mobility awareness, survey, system application

### 3 [A semantic network-based design methodology for XML documents](#)

 Ling Feng, Elizabeth Chang, Tharam Dillon  
October 2002 **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 4

Publisher: ACM Press

Full text available: pdf(285.64 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The eXtensible Markup Language (XML) is fast emerging as the dominant standard for describing and interchanging data among various systems and databases on the Internet. It offers the Document Type Definition (DTD) as a formalism for defining the syntax and structure of XML documents. The XML Schema definition language, as a replacement for the DTD, provides more rich facilities for defining and

constraining the content of XML documents. However, it does not concentrate on the semantics that und  
...

**Keywords:** XML, XML Schema, conceptual modeling, design methodology, semantic network

4 Conceptual schema analysis: techniques and applications

S. Castano, V. De Antonellis, M. G. Fugini, B. Pernici

September 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 3

**Publisher:** ACM Press

Full text available:  [pdf\(350.09 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The problem of analyzing and classifying conceptual schemas is becoming increasingly important due to the availability of a large number of schemas related to existing applications. The purposes of schema analysis and classification activities can be different: to extract information on intensional properties of legacy systems in order to restructure or migrate to new architectures; to build libraries of reference conceptual components to be used in building new applications in a given domain ...

**Keywords:** conceptual modeling, reference components, schema classification, schema similarity

5 Streams, structures, spaces, scenarios, societies (5s): A formal model for digital libraries

Marcos André Gonçalves, Edward A. Fox, Layne T. Watson, Neill A. Kipp

April 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 2

**Publisher:** ACM Press

Full text available:  [pdf\(316.85 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Digital libraries (DLs) are complex information systems and therefore demand formal foundations lest development efforts diverge and interoperability suffers. In this article, we propose the fundamental abstractions of Streams, Structures, Spaces, Scenarios, and Societies (5S), which allow us to define digital libraries rigorously and usefully. Streams are sequences of arbitrary items used to describe both static and dynamic (e.g., video) content. Structures can be viewed as labeled directed graphs ...

**Keywords:** applications, definitions, foundations, taxonomy

6 Visualizing geospatial data

Theresa Marie Rhyne, Alan MacEachern, Theresa-Marie Rhyne

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

**Publisher:** ACM Press

Full text available:  [pdf\(13.99 MB\)](#)

Additional Information: [full citation](#), [abstract](#)

This course reviews concepts and highlights new directions in GeoVisualization. We review four levels of integrating geospatial data and geographic information systems (GIS) with scientific and information visualization (VIS) methods. These include:• Rudimentary: minimal data sharing between the GIS and Vis systems• Operational: consistency of geospatial data• Functional: transparent communication between the GIS and Vis systems• Merged: one comprehensive toolkit environmentW ...

7 The FINITE STRING newsletter: Abstracts of current literature

Computational Linguistics Staff

July 1986 **Computational Linguistics**, Volume 12 Issue 3

**Publisher:** MIT Press

Full text available:  [pdf\(2.25 MB\)](#)

Additional Information: [full citation](#)

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8 Content delivery in ad hoc networks: Content-aware search of multimedia data in ad hoc networks

Bo Yang, Ali R. Hurson

October 2005 **Proceedings of the 8th ACM international symposium on Modeling, analysis and simulation of wireless and mobile systems MSWiM '05**

**Publisher:** ACM Press

Full text available:  [pdf\(314.60 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



The infrastructure-free and self-organizing nature of wireless ad hoc networks presents fundamental challenges to the design of content-based multimedia search algorithms that are efficient with respect to search cost and fair across various network setups. In contrast to the wealth of research literature on ad hoc routing protocols, few works have realistically considered the methods of locating multimedia data sources in a highly dynamic ad hoc network. Moreover, multimedia information retrieval ...

**Keywords:** ad hoc network, content distribution, multimedia data retrieval

## 9 Course and exercise sequencing using metadata in adaptive hypermedia learning systems

Stephan Fischer

March 2001 **Journal on Educational Resources in Computing (JERIC)**

**Publisher:** ACM Press

Full text available:  pdf(115.01 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

In the last few years the (semi-) automatic sequencing of course material has become an important research issue, particularly the standardization of metadata for educational resources. Sequencing can help to generate hypermedia documents which, at their best match the learner's needs. To perform (semi-) automatic course sequencing, a knowledge library as well as modular resources can be used. Both must be described by metadata. ...

**Keywords:** adaptive hypermedia systems, hypermedia learning, knowledge engineering, sequencing of course material

## 10 Industrial papers: enterprise information integration: Enterprise information integration: successes, challenges and controversies

Alon Y. Halevy, Naveen Ashish, Dina Bitton, Michael Carey, Denise Draper, Jeff Pollock, Arnon Rosenthal, Vishal Sikka

June 2005 **Proceedings of the 2005 ACM SIGMOD international conference on Management of data**

**Publisher:** ACM Press

Full text available:  pdf(370.31 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

The goal of EII systems is to provide uniform access to multiple data sources without having to first load them into a data warehouse. Since the late 1990's, several EII products have appeared in the marketplace and significant experience has been accumulated from fielding such systems. This collection of articles, by individuals who were involved in this industry in various ways, describes some of these experiences and points to the challenges ahead.

## 11 Techniques for document management and document engineering: Document digitization lifecycle for complex magazine collection

Sherif Yacoub, John Burns, Paolo Faraboschi, Daniel Ortega, Jose Abad Peiro, Vinay Saxena

November 2005 **Proceedings of the 2005 ACM symposium on Document engineering DocEng '05**

**Publisher:** ACM Press

Full text available:  pdf(540.79 KB)

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The conversion of large collections of documents from paper to digital formats that are suitable for electronic archival is a complex multi-phase process. The creation of good quality images from paper documents is just one phase. To extract relevant information that they contain, with an accuracy that fits the purpose of target applications, an automated document analysis system and a manual verification/review process are needed. The automated system needs to perform a variety of analysis and ...



**Keywords:** document analysis and understanding, document digitization, document engineering, preservation of historical content

## 12 From DQ to EQ: understanding data quality in the context of e-business systems

Yong Jin Kim, Rajiv Kishore, G. Lawrence Sanders

October 2005 **Communications of the ACM**, Volume 48 Issue 10

**Publisher:** ACM Press

Full text available:  pdf(772.27 KB)  html(29.63 KB)

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A fix for irrelevant information, cognitive overhead, and disorientation---common gremlins endured by every e-business system user.

13 Designing model hypermedia applications



Franca Garzotto, Luca Mainetti, Paolo Paolini

April 1997 **Proceedings of the eighth ACM conference on Hypertext**

**Publisher:** ACM Press

Full text available: pdf(969.28 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** hypermedia application design, hypermedia models, model interaction, usability

14 Technical session 7: multimedia systems: A general framework for multidimensional adaptation



David Gotz, Ketan Mayer-Patel

October 2004 **Proceedings of the 12th annual ACM international conference on Multimedia**

**Publisher:** ACM Press

Full text available: pdf(420.02 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** adaptation, multimedia

15 Rich interaction in the digital library



Ramana Rao, Jan O. Pedersen, Marti A. Hearst, Jock D. Mackinlay, Stuart K. Card, Larry Masinter, Per-Kristian Halvorsen, George C. Robertson

April 1995 **Communications of the ACM**, Volume 38 Issue 4

**Publisher:** ACM Press

Full text available: pdf(645.43 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Effective information access involves rich interactions between users and information residing in diverse locations. Users seek and retrieve information from the sources—for example, file serves, databases, and digital libraries—and use various tools to browse, manipulate, reuse, and generally process the information. We have developed a number of techniques that support various aspects of the process of user/information interaction. These techniques can be considered attempts t ...

16 Designing mediation for context-aware applications



Anind K. Dey, Jennifer Mankoff

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Many context-aware services make the assumption that the context they use is completely accurate. However, in reality, both sensed and interpreted context is often ambiguous. A challenge facing the development of realistic and deployable context-aware services, therefore, is the ability to handle ambiguous context. Although some of this ambiguity may be resolved using automatic techniques, we argue that correct handling of ambiguous context will often need to involve the user. We use the term me ...

**Keywords:** Context-aware computing, ambiguity, aware environments, error handling, mediation, ubiquitous computing

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